



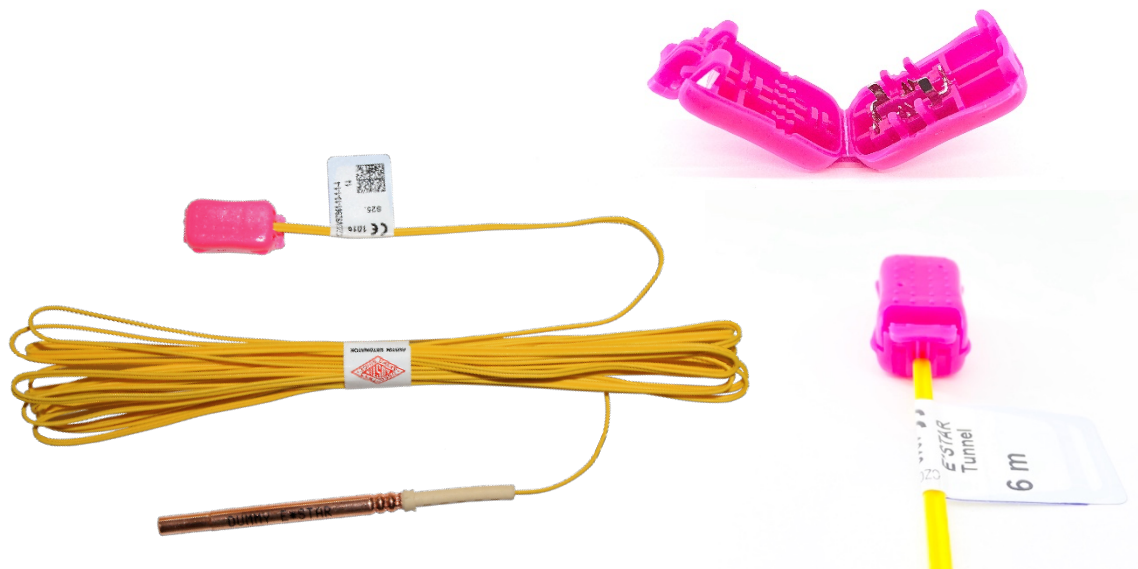
PRODUCT INFORMATION BROCHURE

E*STAR Tunnel has been developed for rapid tunnel blasting deployment with the aim of reducing post-blast plastic residue in the muck pile.

The wires and the E*STAR Tunnel connector will ensure the highest level of safety and security on the blast site. The neon colours of the wires and connectors allow for quick detection of the E*STAR Tunnel detonators, even in a low-light underground environment. E*STAR Tunnel retains all the features and benefits of the E*STAR detonator, including the control equipment required for operating the system.

FEATURES & BENEFITS

- E*STAR Logger 2 for multiple ways of programming
- Touchless tagging (RFID Technology)
- Neon colours of connectors
- Bus-line or Daisy-Chaining connection
- Duplex Bus-line for easy connection making
- 100% verification of the blast
- Simple procedure from loading holes to initiation of the blast
- Significant reduction of plastic residue in the muck pile



AUSTIN POWDER



PRODUCT INFORMATION BROCHURE

TECHNICAL DESCRIPTION

Table with 2 columns: Property and Value. Rows include Shell material (Copper), Leg Wires (Zinc coated steel), Leg wire colour (Yellow), Connector color (Pink), Base charge (720 mg), Water pressure resistance (0.3 MPa / 48 hours), Temperature range for application (from -30 °C to +60 °C), Shelf life (storage conditions) (5 years (-30 °C to +40 °C)), Label marking (Product name, Wire length, Data matrix code (traceability), Detonator serial number (for RFID labels)), Notified body (CE 1019), Delay interval (Programmable 1 – 20,000 ms (increments of 1 ms)).



PACKAGING DETAILS

Table with 4 columns: Wire length (m), Inner bags per Carton, Units per Carton, Packaging. Rows show wire lengths of 6, 7.2, 9, and 12 meters with corresponding bag and unit counts and packaging codes (1.4S UN 0500).

Packaging: Cardboard carton of outer dimension 385x296x210 mm 15.16x11.65x8.27 in

BUS-LINE

Table with 3 columns: Wire length, Wire length, Units per Carton. Row shows 400 m wire length, 1,312 ft, and 4 units per carton.

Packaging: Cardboard carton of outer dimension 490x245x160 mm 19.29x9.65x6.30 in

Disclaimer of Warranties and Limitations of Liabilities

Any information contained herein is based on the manufacturer's standard procedures in use at the time of publication. Any specifications, test values and other data is solely preliminary information and not guaranteed. Actual results may differ during field use. Neither manufacturer nor seller will be responsible whatsoever for any losses or damages resulting from the use or reliance upon any information set forth herein.

It is solely the responsibility of the product user to determine the safe conditions for use of the products referred to herein. Use of any products by a user is at the user's sole risk.

To the maximum extent permitted by law, manufacturer and seller specifically disclaim all warranties including implied warranties of merchantability or fitness for a particular purpose.



AUSTIN POWDER